

Appl. No. 10/780,965

Amdt. Dated Nov. 01, 2005

Amdt. Prior to first Office action

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-36 (original)

Claims 37-52 (new)

I claim:

37. An intrusion detection and remote alarm communication system comprising:
an intrusion detecting sensor, said sensor being capable of detecting the intrusion into a space in a first location, said sensor connected to a first transmitter/receiver in said first location, said sensor sending a predetermined signal to said first transmitter/receiver when an intrusion is detected,
said first transmitter/receiver in a first location communicating with a second transmitter/receiver in a second location, said communicating having a first mode and a second mode, said first mode being the exchange of encrypted information following a prearranged pattern, successfully maintaining said prearranged pattern indicating a normal secure condition at said first location and the integrity of said communicating, said second mode indicating said sensor has sent said predetermined signal to said first transmitter/receiver that an intrusion has been detected, said first transmitter/receiver interrupting said first mode to transmit an alarm in said second mode, said second mode being an alarm mode,
said second transmitter/ receiver recognizing when received information pattern in said first mode is incorrect and responding by indicating an alarm in said second location, said second transmitter/receiver recognizing an interruption in said exchange of encrypted information and responding by indicating an alarm, said second transmitter/receiver recognizing said second mode being communicated from said first transmitter/receiver and responding by indicating an alarm.
38. An intrusion detection and remote alarm communication system, according to claim 37, further comprising a video camera, located in said space, connected to said first transmitter/receiver and responding to signals from said first transmitter/receiver, said video camera transmitting video images to

Appl. No. 10/780,965

Amdt. Dated Nov. 01, 2005

Amdt. Prior to first Office action

said first transmitter/receiver, said video images being stored in said first transmitter/receiver and said video images being transmitted by said first transmitter/receiver to said second transmitter/receiver.

39. An intrusion detection and remote alarm communication system, according to claim 37, further comprising a countermeasure device, located in said space, connected to said first transmitter/receiver and responding to signals from said first transmitter/receiver, said signals from said transmitter/receiver causing the countermeasure device to release materials to impede the progress of intrusion into said space.

40. An intrusion detection and remote alarm communication system, according to claim 37, further comprising a container, enclosing said space, said container enclosing said sensor and said first transmitter/receiver.

41. An intrusion detection and remote alarm communication system, according to claim 37, further comprising a redundant sensor, thereby providing confirmation of an intrusion into said space.

42. An intrusion detection and remote alarm communication system, according to claim 37, wherein said second transmitter/receiver transmits an electromagnetic broadcast alarm signal when indicating an alarm condition.

43. An intrusion detection and remote alarm communication system, according to claim 37, wherein said second transmitter/receiver is capable of receiving input signals from multiple first transmitter/receivers and responding by providing multiple output displays.

44. An intrusion detection and remote alarm communication system, according to claim 37, wherein said second transmitter/receiver will always indicate an alarm condition whenever said correct encrypted information is not received and said second transmitter/receiver will always indicate an alarm condition whenever an alarm signal is received.

45. An intrusion detection and remote alarm communication system, according to claim 37, wherein said communicating by said first transmitter/receiver is by airborne electromagnetic broadcast.

46. An intrusion detection and remote alarm communication system, according to claim 37, wherein

Appl. No. 10/780,965

Amdt. Dated Nov. 01, 2005

Amdt. Prior to first Office action

said communicating by said first transmitter/receiver is carried on a landline.

47. An intrusion detection and remote alarm communication system, according to claim 37, further comprising a backup power supply unit supplying power to said first transmitter/receiver when external power is interrupted, said first transmitter/receiver recognizing when external power is interrupted and transmitting a predetermined signal to said second transmitter/receiver,

48. An intrusion detection and remote alarm communication system, according to claim 37, further comprising a third transmitter/receiver, said third transmitter/receiver monitoring said communicating signals, said third transmitter/receiver recognizing an interruption in said encrypted stream of information and responding by broadcasting an alarm, said third transmitter/receiver recognizing said second mode and responding by broadcasting an alarm condition.

49. An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending an encrypted message to said first transmitter/receiver, said first transmitter/receiver responding with an encrypted prearranged reply message to said second transmitter/receiver, comparing said reply message to the prearranged correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.

50. An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending an encrypted first message to said first transmitter/receiver, said first transmitter/receiver responding with an encrypted reply message that is a prearranged transformation of said first message to said second transmitter/receiver, comparing said reply message to the prearranged correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.

51. An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending a first message to said first transmitter/receiver encrypted using a prearranged first set of encryption values, said first transmitter/receiver responding with a reply message encrypted using a prearranged second set of encryption values to said second transmitter/receiver, comparing said reply message to the prearranged

Appl. No. 10/780,965

Amdt. Dated Nov. 01, 2005

Amdt. Prior to first Office action

correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.

52. An intrusion detection and remote alarm communication system, according to claim 37, wherein said prearranged pattern of communicating in the first mode is said second transmitter/receiver sending an encrypted first message made of a first part and a second part to said first transmitter/receiver, said first transmitter/receiver responding with an encrypted reply message that is a prearranged transformation of said second part of first message to said second transmitter/receiver, said prearranged transformation being defined by said first part of said first message, comparing said encrypted reply message to the prearranged correct response at said second location, indicating an alarm when a correct reply message is not received at said second location.